

What is claimed is:

Sub (a)

1. A method of resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising the steps of:
 - (a) pre-resetting the sensors in the array by sequentially resetting groups of one or more sensors; and
 - (b) resetting all of the sensors at one time.
2. A method as claimed in claim 1 wherein each group comprises one or more rows of sensors.
3. A method as claimed in claim 1 wherein each group comprises one or more columns of sensors.
4. A method as claimed in claim 1 wherein step (a) includes:
 - (a.i) detecting the bias voltage level of the sensor array;
 - (a.ii) selecting the number of sensors in the pre-resetting groups as a function of the bias voltage detected.
5. Apparatus for resetting an array of active pixel sensors (APS) arranged in rows and columns, comprising:
 - (a) a controller having means coupled to the sensor array for sequentially pre-resetting groups of one or more sensors in the array; and
 - (b) the controller having means coupled to the sensor array for simultaneously resetting all of the sensors in the array.

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6. Apparatus as claimed in claim 5 which further includes:

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- (c) detector for detecting the bias voltage of the sensor array; and
 - (d) the controller being coupled to the voltage detector for determining sensors in each group being pre-reset.

7. Apparatus as claimed in claim 6 wherein each group comprises one or more rows of sensors.

8. Apparatus as claimed in claim 6 wherein each group comprises one or more columns of sensors.

ADD a1

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